

Concluding Remarks

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Abstract:

The current brief evaluates the interactions of the various performance variables that effects performance in the sport of archery. Performance variables discussed in this brief included physical fitness constituting hand grip, static balance, leg power, upper and core muscle strength, physiological indicators involving nutrition, heart rate, blood pressure and psychological elements comprising of concentration, coping with adversity, coachability, confidence and achievement motivation, goal settings and mental preparation, peaking under pressure and freedom from worry. The physical characteristics or anthropometry of the athletes is also considered. It is worth noting that all the assessed variables have been shown to have an influence on the archery performance. The authors have utilised several machine learning algorithms for the purpose of identifying potential athletes within the sport based on the evaluated performance variables.

Keywords: Comprising; Static Balance; Muscle Strength